

Title (en)

REGION-OF-INTEREST BASED PRINT QUALITY OPTIMIZATION

Title (de)

DRUCKQUALITÄTSOPTIMIERUNG BASIEREND AUF INTERESSENSREGIONEN

Title (fr)

OPTIMISATION DE QUALITÉ D'IMPRESSION À BASE DE RÉGION D'INTÉRÊT

Publication

**EP 3369581 B1 20220406 (EN)**

Application

**EP 18159338 A 20180228**

Priority

US 201715449445 A 20170303

Abstract (en)

[origin: EP3369581A1] A method for printing includes analyzing print quality requirements for a printing area; adjusting settings for heater elements (e.g., energy and/or firing durations) of strobe lines based on the requirements analysis; and providing a plurality of individual strobe signals to the strobe lines. The strobe signals can be transmitted simultaneously, for example with a field-programmable gate array. Analyzing print quality requirements can include separating the printing area into one or more areas of interest, such as rows and/or columns. For each area of interest individual print quality settings (e.g., darkness, contrast, and/or media sensitivity) may be selected.

IPC 8 full level

**B41J 2/355** (2006.01)

CPC (source: CN EP US)

**B41J 2/32** (2013.01 - CN EP US); **B41J 2/335** (2013.01 - US); **B41J 2/355** (2013.01 - CN); **B41J 2/3551** (2013.01 - EP US); **B41J 2/36** (2013.01 - US); **B41J 29/38** (2013.01 - CN); **G06K 15/028** (2013.01 - US)

Cited by

CN111645432A; CN110222797A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3369581 A1 20180905**; **EP 3369581 B1 20220406**; CN 108528054 A 20180914; CN 108528054 B 20220426; CN 114801502 A 20220729; EP 4000936 A1 20220525; US 10105963 B2 20181023; US 10710375 B2 20200714; US 11014374 B2 20210525; US 11745516 B2 20230905; US 2018250950 A1 20180906; US 2018361757 A1 20181220; US 2020039236 A1 20200206; US 2021229461 A1 20210729

DOCDB simple family (application)

**EP 18159338 A 20180228**; CN 202210403307 A 20180302; EP 22150192 A 20180228; US 201715449445 A 20170303; US 201816112108 A 20180824; US 201916562004 A 20190905; US 202117301840 A 20210415